

# HT1000, JT1000, MTX8000 & 9000

Compatible with MT2000 and MTS2000



## HT1000

The HT1000 portable radio makes dedicated two-way communications faster, clearer and easier to use. This small and lightweight radio breaks the notion that size and weight must increase as the portable grows in capability.

- Frequency flexibility offers a broad band range
- Programmable channel spacing in VHF and UHF lets you change bandwidths in 25 or 12.5 kHz systems
- Noise reduction microphones provide clearer audio even in noisy environments
- Wide range of signaling options



## JT1000

The JT1000 portable radio is the ideal communications companion for people on the move. In a matter of minutes, an authorized user can easily reprogram the JT1000 radio's frequencies to work within any system.

- Front panel programmable using a programming key and password
- The user can change frequencies by mode and bandwidth by mode
- PL/DPL/Carrier Squelch by mode
- Rugged



## MT2000

The MT2000 is a small, economically packaged analog portable radio that offers the basic features needed for many standard applications in conventional radio systems. It features a full alphanumeric display and programmable function controls.

- Radio Capabilities include Analog and Conventional
- 12.5, 20/25/30 kHz Channel Spacing
- UHF and VHF Frequencies
- System Compatibilities...MT2000 radios are compatible with multiple system types, including conventional and Stat-Alert™ systems.
- Narrow Band Operation...Software configurable bandwidth operation can be programmed to operate at 12.5, 20, or 30 kHz channel bands to comply with today's standards.
- Broad Band Operation...MT2000 radios offer unprecedented band extensions. Since one MT2000 radio can cover multiple sub-bands, interoperability between organizations on adjacent sub-bands is easier and more economical.
- Built-In Noise Reduction Microphones...When you are competing with machinery or other activity around you, the noise reduction microphones can allow you to be heard despite background noise.



## MTX8000 & 9000

Provide all the benefits of our trunked systems plus talkaround capability. That means uninterrupted communications, even in fringe areas. Three watts of power in a small Motorola trunked radio, and our noise reduction microphone lets your audio come through clearly and without distortion, even in noisy environments. The MTX9000 radio is packed with work-saving features including:

- Paging in Your Radio...When you're having difficulty reaching someone, try Call Alert. Four beeps every five seconds will indicate your call...and the radio won't stop beeping until the PTT is pushed. On advanced models, a flashing display gives an additional alert.
- Available on all models, talkgroup lets you monitor any combination of trunked systems, subfleets, or conventional channels in the same scan list. The 14-character alphanumeric display on advanced models lets you assign real names to systems and subfleets as well as list members.
- Privacy to Discuss Sensitive Issues...With Private Conversation, you can have a one-to-one conversation within your radio fleet
- Telephone Communications...When you need to talk to a customer, supplier, or someone else outside your radio network, you can even make phone calls via the radio's telephone interconnect capability.
- To customize Call Alert, Private Conversation, and telephone interconnect features, you can choose an MTX9000 receive-only mode, or a mode that can receive and send via a list or the keypad.



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# Audio Accessories



NMN6193B

## REMOTE SPEAKER MICROPHONES (RSM)

The remote speaker microphone is a water-resistant compact unit that allows the user to talk and listen without removing the radio from the belt, case or charger. It has a coiled cord, push-to-talk switch and clothing clip on the back cover.

**NMN6193C\*** Remote Speaker Microphone

**NMN6191C\*** Noise Cancelling Remote Speaker Microphone

## RSM ACCESSORIES

### EPAULET STRAP

Black leather epaulet strap secures remote speaker microphone to epaulet straps on shirt or jacket and accommodates back clip in leather cut-outs. Snap closure secures remote speaker microphone cord to allow reliable communications in hostile environments.

**RLN4294A** Epaulet Strap, Velcro

**RLN4295A** Epaulet Strap, small clip

## MICJACKETS

The MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime. MicJackets also allow the user to handle or interact with the speaker microphone in a more hygienic way.

**RLN5002A** MicJacket Kit, compatible with NMN6191 and NMN6193 remote speaker microphones

**RLN5004A** MicJacket Kit, compatible with NMN6228, NMN6243 and NMN6244 public safety speaker microphones

## RECEIVE ONLY EARPIECES

Plugged into the 3.5mm earjack on the RSM audio adapter, these audio accessories will mute the speaker on the RSM allowing the user to discreetly hear all incoming messages. Ideal for noisy environments. The following audio accessories can also be plugged directly into the radio with the BDN6676D audio adapter.

**BDN6781A** Pellet Style Earpiece

**BDN6719A** Flexible Ear Receiver; this flexible ear receiver contains a flexible earloop and speaker and rests external to the ear

## PUBLIC SAFETY SPEAKER MICROPHONES (PSM)

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector, and receiver, audio high/low volume push button. Antenna must be ordered separately. Use radio antennas on page 39.

**NMN6228C\*** 30" Noise-Cancelling Public Safety Speaker/Microphone, straight cord

**NMN6243B\*** 18" Noise-Cancelling Public Safety Speaker/Microphone, straight cord

**NMN6244B\*** 24" Noise-Cancelling Public Safety Speaker/Microphone, straight cord



RMN4056A

## RECEIVE ONLY HEADSETS

**RMN4056A** Receive-Only Dual-Muff Headband Style Headset; provides 24dB of noise reduction; for use with NMN6193C and NMN6191C (can be plugged directly into radio with BDN6676D adapter)

**RMN4057A** Receive-Only Hardhat Mount Headset mounts easily to hardhats with slots and provides 22dB of noise reduction; for use with NMN6193C and NMN6191C (can be plugged directly into radio with BDN6676D adapter)

**RLN4923A** Replacement Ear Seals for RMN4056A and RMN4057A



BDN6667A

## SURVEILLANCE ACCESSORIES

Surveillance accessories allow the user to privately receive communications with the earpiece and are ideal when environments require discreet communications.

The following surveillance accessories require the BDN6676D (3.5 mm threaded adapter jack) that attaches to the radio, unless being used with speaker/microphone.

### RECEIVE ONLY EARPIECE (1-WIRE)

**BDN6664A\*** Beige

**BDN6665A\*†** Beige

**BDN6726A** Black

**BDN6727A†** Black

### RECEIVE ONLY EARPIECE WITH VOLUME CONTROL (1-WIRE)

**BDN6666A\*** Beige

**BDN6728A** Black

### EARPIECE WITH MICROPHONE AND PUSH-TO-TALK COMBINED (2 WIRE)

**BDN6667A\*** Beige

**BDN6669A\*†** Beige

**BDN6729A** Black

**BDN6731A†** Black

### EARPIECE WITH MICROPHONE AND PUSH-TO-TALK SEPARATE (3-WIRE)

**BDN6668A\*** Beige

**BDN6670A†\*** Beige

**BDN6730A** Black

**BDN6732A†** Black

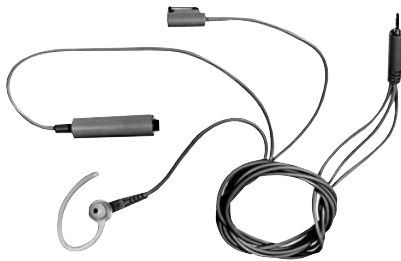
**BDN6676D\*** 3.5mm Jack Adapter with Quick Disconnect Latch

**† Extra Loud Earphone (exceeds OSHA limits)**

**\* Intrinsically Safe**

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BDN6668A



5080369E39



5080369E41



5080370E92

## SURVEILLANCE KITS WITH EXTENDED WEAR EARPIECE

These kits include a comfort earpiece with a rubber ear tip and a clear comfortable acoustic tube. Users can hear transmissions clearly, while the clear tube provides a discreet appearance.

**RLN5311A** Beige Two-Wire Comfort Earpiece with Combined Microphone and Push-to-Talk; requires BDN6676D audio adapter

**RLN5312A** Black Two-Wire Comfort Earpiece with Combined Microphone and Push-to-Talk; requires BDN6676D audio adapter

**RLN5313A** Receive Only Earpiece, Black

**RLN5314A** Receive Only Comfort Earpiece, Beige

## SURVEILLANCE KIT REPLACEMENT ACCESSORIES

**5080369E38** Standard Earpiece Assembly, includes earphone, earloop and eartip, Beige

**5080370E90** Standard Earpiece Assembly, includes earphone, earloop and eartip, Black

**5080369E39** Extra Loud Assembly, includes earphone, earloop and eartip, Beige

**5080370E91** Extra Loud Earpiece Assembly, includes earphone, earloop and eartip, Black

**5080369E40** Plastic Urethane Earloop, Beige

**5080370E92** Plastic Urethane Earloop, Black

**5080369E41** Wire Earloop

**5080371E69** Small Rubber Eartip, Beige

**5080371E71** Small Rubber Eartip, Black

**5080371E73** Standard Rubber Eartip, Beige

**5080371E75** Standard Rubber Eartip, Black

**5880377E06** Plastic Eartip Adapter



RLN4922A

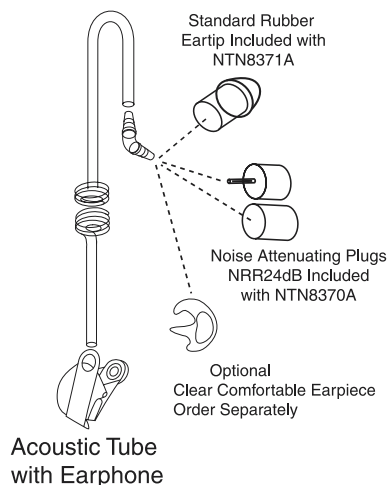
## COMPLETELY DISCREET EARPIECE

Remain discreetly in touch with this miniaturized receiver. All messages received through the user's two-way radio are inductively relayed to the wireless earpiece in the user's ear. Inductive neckloop is easily hidden under the user's clothing for covert operations. Neckloop attaches to the user's Motorola Surveillance Kit providing completely discreet two-way communications. Security operatives, public safety officials, and private investigators can communicate with ease without any visible equipment. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Must be used in conjunction with a Motorola Surveillance Kit. Just remove the earpiece on any standard 2 or 3-wire surveillance kit and plug in the neckloop for completely discreet communication.

**RLN4922A** Completely Discreet Earpiece Kit; includes wireless earpiece, inductive neckloop, 6 spare batteries and 5 spare ear wax guards

**RLN4919A** Ear Wax Guards, pack of 5

**RNN4005A** 1.4V Battery, pack of 6



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# Audio Accessories



**RLN4760A**

## **CLEAR COMFORTABLE EARPIECE**

The clear comfortable earpiece forms to the inside of your ear and is perfect for low noise environments. Compatible with the NTN8371A, clear acoustic tube assembly, and most surveillance kits (1, 2 and 3-wire). This earpiece is made of easy-to-clean chemically inert, hypoallergenic material. There are 3 items needed to make this product work:

1. Clear Comfortable Earpiece
2. Clear Acoustic Tube Assembly (NTN8371A)
3. Surveillance Kit

**RLN4760A** Small Custom Earpiece, right ear

**RLN4763A** Small Custom Earpiece, left ear

**RLN4761A** Medium Custom Earpiece, right ear

**RLN4764A** Medium Custom Earpiece, left ear

**RLN4762A** Large Custom Earpiece, right ear

**RLN4765A** Large Custom Earpiece, left ear



**NTN8370A**

## **NOISE KITS**

This lightweight translucent tube attaches to Motorola surveillance accessories to provide additional flexibility and comfort. Clothing clip prevents the accessory from being pulled from the ear due to body movement or head rotation.

**NTN8370A** Extreme Noise Kit, includes 2 foam earplugs for loud environments, provides 24dB of noise reduction

**NTN8371A** Low Noise Kit, includes rubber eartip for low noise environments, does not provide hearing protection

**5080384F72** Replacement Foam Plugs; for use with NTN8370A (pack of 50)

**5080371E73** Replacement Standard Rubber Eartips, Beige; for use with NTN8371A (pack of 25)

**5080371E75** Replacement Standard Black Rubber Eartips for use with NTN8371A (pack of 25)



**BDN6641A**

Shown with interface module

## **EAR MICROPHONE SYSTEM (EMS)**

This compact unit picks up the voice through bone vibrations in the ear canal. The miniature earpiece leaves the hands free and face unobscured when worn by rescue and hazard protection personnel, who still retain the ability for direct hearing and speaking. For personnel required to wear breathing apparatus, communications with protective masks are as clear as communications without. And its high speech clarity under noisy environments makes it ideal for high noise environments. Available in PTT or Voice Activated (VOX). Interface Module required.

**BDN6677A\*** Ear Microphone for Standard Noise Levels (up to 95dB, black)

**BDN6678A\*** Ear Microphone for Standard Noise Levels (up to 95dB, beige)

**BDN6641A\*** Ear Microphone for High Noise Levels (up to 105dB)

**\*Intrinsically Safe**



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**BDN6708B**

## INTERFACE MODULE FOR THE EAR MICROPHONE SYSTEM

**BDN6708B\*** Push-To-Talk Interface Module

**BDN6671B\*** Push-To-Talk or Voice-Activated Interface Module

*\*Intrinsically Safe*

## OPTIONAL ACCESSORIES FOR THE EAR MICROPHONE SYSTEM

**0180358B38\*** Push-To-Talk Ring Switch

**0180300E83** Body Push-To-Talk Switch

**0180300E25** Earguard with Adjustable Loop; secures ear mic in ear

**0180358B32** Earholder, black, size small; secures ear mic in ear

**0180358B33** Earholder, black, size medium; secures ear mic in ear

**0180358B34** Earholder, black, size large; secures ear mic in ear

**0180358B35** Earholder, clear, size small; secures ear mic in ear

**0180358B36** Earholder, clear, size medium; secures ear mic in ear

**0180358B37** Earholder, clear, size large; secures ear mic in ear

**4280369E44** Replaceable Belt Clip with Screws

**5080358B28** Black Eartips, size medium (pack of 10)

**5080358B29** Black Eartips, size large (pack of 10)

**5080358B30** Beige Eartips, size medium (pack of 10)

**5080358B31** Beige Eartips, size large (pack of 10)



**0180358B38**



**0180300E83**



**0180300E25**

## FLEXIBLE EAR RECEIVER

*This receive only earpiece contains a flexible earloop and speaker which rests external to the ear.*

**BDN6719A** Ear Receiver with 3.5 mm Threaded Plug, requires BDN6676D adapter

**7580372E11** Replacement Foam Ear Cushions for BDN6719A



**BDN6719A**

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# Audio Accessories



**BDN6780A**

## PELLET STYLE EARPieces

The pellet style earpiece allows the user to receive communication discreetly and is comfortable for extended wear.

**BDN6780A** Single Earbud with Microphone and Push-To-Talk, requires adapter BDN6676D, unless being used with speaker microphone

**BDN6781A** Single Earbud, receive only; requires adapter BDN6676D unless being used w/speaker microphone

**7580372E70** Replacement Foam Ear Cushions for Pellet Earpieces

## LIGHTWEIGHT HEADSETS

Lightweight headsets allow for high clarity, hands-free, discreet two-way communication, while adding comfort necessary for extended wear in moderate noise environments. Requires BDN6676D Audio Adapter.

**NMN6245A\*** Single-Muff Lightweight Headset with In-line Push-To-Talk Switch (requires BDN6676D adapter)

**NMN6246B\*** Ultralite Headset with Boom Microphone and In-line Push-To-Talk Switch; ear bud style receiver (requires BDN6676D adapter)

**NMN1020A\*** Lightweight Headset with Boom Microphone to be worn on a helmet or safety glasses; includes NKN6498A adapter cable; requires BDN6676D adapter

**NKN6498A\*** Headset Adapter Cable for use with NMN1020A

**5080574E02** Foam Earpads for use with NMN6245A (pack of 10)

## TEMPLE TRANSDUCER

The temple transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. The receiver portion of the accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an in-line PTT and noise canceling boom microphone. The temple transducer enhances communications and safety by not impairing the user's hearing of external sound environment, such as from machinery and equipment, warning and fire alarms, the intercom, traffic, and even casual conversations with their co-workers.

**RMN4049A** Temple Transducer

## COMMPORT: INTEGRATED MICROPHONE/RECEIVER SYSTEM

CommPort system contains a miniature microphone and receiver, and connects to your two-way radio, making it possible to hear and speak under the most adverse conditions.

**NTN1624A\*** Integrated Ear Microphone/ Receiver System w/Palm PTT (includes BDN6676D 3.5mm jack adapter)

**NTN1625A\*** Integrated Ear Microphone/ Receiver System w/PTT on Radio Adapter (includes BDN6676D 3.5mm jack adapter)

**NTN1663A\*** Integrated Ear Microphone/ Receiver System w/ring PTT (includes BDN6676D radio adapter)

**NTN1736A\*** Integrated Ear Microphone/ Receiver System w/Snap-on Side PTT (includes BDN6676D radio adapter)

**NKN6510A** Replacement Palm PTT Cable for NTN1624A

**NKN6508A** Replacement Cable for NTN1625A

**NKN6512A** Replacement Ring PTT Cable for NTN1663A

**NKN6525A** Replacement Snap-on PTT Cable for NTN1736A

**NTN8821A** CommPort Maintenance Kit; includes replacement ear tubes (pack of 10), windscreens (pack of 2) and microphone seal strips (pack of 10)

**NTN8986A** Adhesive Pads (pack of 90) for secure attachment to ear

**NTN8988A** Ear Straps (pack of 10), for secure attachment to ear

**RLN5037A** Replacement Ear Tubes (pack of 10)

**4285838B01** Replacement Collar Clip

**4202006A01** Replacement Back Cover Clip



**NTN1624A**



**\*Intrinsically Safe**

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NMN6258A

## MEDIUM WEIGHT HEADSETS

Medium Weight Headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations.

**NMN6258A\*** Medium Weight Headset, over the head with In-Line PTT, noise reduction rating = 24dB

**NMN6259A\*** Medium Weight Headset, behind the head with In-Line PTT, noise reduction rating = 24dB

**RMN4051A** Hardhat Mount Headset mounts easily to hardhats with slots and provides 22dB of noise reduction; requires RKN4095A adapter cable, hardhat not included

## TACTICAL MEDIUM WEIGHT HEADSETS

Same high-clarity sound and additional hearing protection as our standard medium weight headsets while including two microphones on the outside of each earcup which reproduces the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times but never more than 82dB. Includes on/off volume control on ear cups.

**RMN4052A** Tactical Headband Style Headset, Grey; provides 24dB of noise reduction and requires RKN4095A adapter cable

**RMN4053A** Tactical Hardhat Mount Headset mounts easily to hardhats with slots; provides 22dB of noise reduction and requires RKN4095A adapter cable, hardhat not included

**RKN4095A** Radio Adapter Cable with In-Line PTT for use with RMN4051A, RMN4052A and RMN4053A



RMN4052A

## HEAVY DUTY HEADSETS

Heavy duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. Headsets are for use in noise levels up to 125 dB. The Push-To-Talk switch is located on the earcup. The VOX module is contained within the headset on voice activated units. Heavy duty headsets require radio adapter cable BDN6673B, to be ordered separately.

**BDN6645A\*** Push-To-Talk Headset with Boom Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

**BDN6635B\*** Voice-activated Headset with Boom Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

**BDN6636B\*** Voice-activated Headset with Throat Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

**BDN6673B\*** Radio Adapter Cable



BDN6645A

BDN6636B



BDN6635B

## RACING HEADSET FOR TWO-WAY RADIOS

Motorola is the Official Wireless Equipment supplier of CART®, so whether your customers' playing field is a racetrack, construction site or other challenging environment, they can count on this Racing Headset for superior comfort and dependable operation.

**RMN5015A** Racing Headset For Two-way Radios (adapter cable required)

**BDN6673B** Adapter Cable



RMN5015A

*\*Intrinsically Safe*

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# Audio & Carrying Accessories

## CARRYING CASES

A variety of carrying accessories are available for your comfort and convenience. The carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly.



NTN7247A

## STANDARD BELT LOOP CARRYING CASES

**NTN7238A** Leather Carry Case with Belt Loop and T-Strap for use with high capacity battery

**NTN7239A** Leather Carry Case with Belt Loop and T-Strap for use with ultra-high capacity battery

**NDN4018B** DTMF Leather Carry Case with Belt Loop for use with high and ultra-high capacity batteries

**NTN7247A** Nylon Carry Case with Belt Loop and Strap for use with high and ultra-high capacity batteries



NTN8038A

NTN8036A

## HIGH ACTIVITY SWIVEL CARRYING CASES

The following carrying cases have a high activity swivel "D" button and belt loop. To remove case from belt loop, rotate case 180 degrees and slide case upward, out of the holder. Case stays on belt more securely in high activity applications versus standard swivel cases while allowing the radio-to-swing freely with body movements.

**NTN8035B** Leather Carry Case with 2.5" High Activity Swivel Belt Loop and T-Strap for use with high capacity battery

**NTN8037B** Leather Carry Case with 3.0" High Activity Swivel Belt Loop and T-Strap for use with high capacity battery

**NTN8036B** Leather Carry Case with 2.5" High Activity Swivel Belt Loop and T-Strap for use with ultra-high capacity battery

**NTN8038B** Leather Carry Case with 2.5" High Activity Swivel Belt Loop and T-Strap for use with ultra-high capacity battery

**NDN4017B** Leather Carry Case with 3.0" High Activity Swivel Belt Loop and T-Strap for use with high and ultra-high capacity battery

**NTN7484A** D Button Attachment; allows radio to be connected directly to swivel belt loop

## UNIVERSAL HOLDER WITH GOOSENECK BRACKET

**RLN4943A** Universal Holder with Gooseneck Bracket; provides flexible mounting solutions for portable radios

**RLN4945A** Universal Holder with Gooseneck Bracket and wheelchair quick-release assembly

**RLN4944A** Wheelchair quick-release bracket

## CARRYING CASE ACCESSORIES

### T-STRAP

**NTN7782A** T-Strap for Leather Carrying Cases

**NTN7376A** T-Strap for Nylon carrying cases

**NTN7484A** D Button Attachment; allows radio to be connected directly to swivel belt loop

### BELT LOOPS

**NTN8040B** 3.0" High Activity Swivel Belt Loop

**NTN8039B** 2.5" High Activity Swivel Belt Loop



### BELT

**420086599** 3.0" Wide Black Belt



### CARRYING STRAP

**NTN5243A** Shoulder Carry Strap, allows easy carrying of radio in a case when not wearing a belt



RLN4943A





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## SWIVELLER

**TDN9684A** Swiveller, includes clip button, holster and belt

## SWIVELLER REPLACEMENT

### ACCESSORIES

**TDN9690A** Clip button, mounts on battery

**TDN9688A** Holster, compatible with all buttons

**TDN9687A** Belt, 2" nylon



**TDN9327A TDN9373A**

## PORTABLE RADIO HANGER

The portable radio hanger slides over and hangs from the door panel in a vehicle. The radio's belt clip slides onto the portable hanger allowing convenient, easy mounting. Two sizes are available to fit door panels.

**TDN9327A** Portable Radio Hanger for door panels up to 2.75"

**TDN9373A** Portable Radio Hanger for door panels up to 3.25"



**HLN6602A**

## CHEST PACK

Carry the radio mounted on chest with adjustable straps over shoulders and around waist.

**HLN6602A** Universal Chest Pack with Radio Holder, Pen Holder, and Velcro Secured Pouch

**1505596Z02** Replacement Strap for HLN6602A



**RLN4570A**

## BREAK-A-WAY CHEST PACK

All of the same features as the original chest pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Perfect for railroads, manufacturing locations, construction sites and anywhere safety is a concern.

**RLN4570A** Break-A-Way Chest Pack

## RADIOPAK™

**RLN4815A** Universal RadioPAK™ with Radio Holder; worn around waist with adjustable belt; includes attached 6" by 8" zippered pouch for other job necessities

**4280384F89** Universal RadioPAK™ belt lengthener; fits waists larger than 40"



**RLN4815A**

## WATERPROOF BAG

**HLN9985B** Waterproof Bag, includes large carrying strap

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# Carrying Accessories & Batteries

## BATTERIES

### PREMIUM NICKEL CADMIUM (NiCD)

**NTN7143CR** 1200 mAh, 7.5V

**NTN7144CR** 1500 mAh, 7.5V

**NTN7146AR** 1200 mAh, 7.5V, Intrinsically Safe

**NTN7147AR** 1300 mAh, 7.5V, Intrinsically Safe

**NTN7149BR** 1300 mAh, 7.5V, Intrinsically Safe (CSA)

**NTN7150AR** 1200 mAh, 7.5V, Intrinsically Safe (MSHA)

**NTN7341AR** 1400 mAh, 7.5V, Intrinsically Safe

**NTN7372AR** 1200 mAh, 7.5V, Intrinsically Safe

**HNN9028AR (impres™)** 1500 mAh, 7.5V

**HNN9029AR (impres™)** 1500 mAh, 7.5V, Intrinsically Safe

### PREMIUM NICKEL METAL HYDRIDE (NiMH)

**WPNN4013A** 2000 mAh, 7.5V

**WPNN4037A** 1900 mAh, 7.5V, Intrinsically Safe



**NTN7143CR**



**NTN7144AR**



**WPNN4013AR**



**NTN7372AR**



**HNN9029AR**



### VEHICULAR BATTERY ELIMINATOR

*Battery Eliminator saves useful battery life by drawing power from a vehicle's battery; simply replace the portable battery with the battery eliminator and plug in the cigarette lighter adapter*

**RLN4335A** Vehicular Battery Eliminator

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## CHARGERS

Single-unit chargers are available in either desktop or compact styles for small system users. Multiple unit chargers can be wall or rack mounted and are ideal for multi-shift operations. All chargers are specifically designed to meet the requirements of batteries manufactured by Motorola. All chargers listed are rapid rate and will fully charge your battery in less than 3 hours.

### SINGLE UNIT DESKTOP CHARGERS—RAPID RATE

The desktop charger has the power supply built into the base unit and will charge both NiCD and NiMH batteries.

**NTN1168A** Rapid Rate Desktop Charger, 110V

**NTN1169A** Rapid Rate Desktop Charger, 220V (supplied with 2-prong cord)

**NTN1170A** Rapid Rate Desktop Charger, 240V (supplied with 3 flat prong cord)



NTN1168A

### SINGLE UNIT COMPACT BI-CHEMISTRY CHARGERS—RAPID RATE

The bi-chem charger has the power supply built into the line cord giving the user a smaller base unit for easier storage. It also utilizes an enhanced charging algorithm that will help maximize the life of your batteries. It will rapid rate charge both NiCD and NiMH batteries.

**RPX4747A** Compact Bi-Chem Charger, 110V

**RPX4748A** Compact Bi-Chem Charger, 230V Euro plug

**RPX4749A** Compact Bi-Chem Charger, 230V UK plug



## VEHICULAR CHARGER

This 12V DC charger is ideal for mobile customers; it charges portable radio NiCD batteries in rapid charge mode (in less than 3 hours) until full charge is obtained and then switches to trickle charge mode. A microprocessor controls the charge rate. This durable unit comes with a metal mounting bracket and is PAC\_RT compatible

**TDN9816A** Vehicular Charger



## IMPRES™ SMART ENERGY SYSTEM

The impres smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging algorithm and automatic reconditioning features. The smart energy system reconditions impres batteries when they need it, automatically, keeping them in peak condition. It's advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring the damaging heat build-up which can rob batteries of cycle life. In

addition, batteries left on the charger are kept fully charged so they are always ready when you need them. The impres system reconditions batteries when they need it based on their usage pattern. Talk time and cycle life are optimized and the need for manual maintenance programs reduced or eliminated. This rapid-rate tri-chemistry charging system will also charge existing legacy batteries and supports multiple radio platforms including Saber, XTS, and HT1000 series portables



**WPLN4111AR** impres Smart Energy System Charger

## IMPRES™ BUNDLE PACKS

Provide significant savings on the impres products by bundling a charger and two batteries together as a smart energy system package.

**RLN5265A** impres™ Charger with Two HNN9029AR Batteries

**RLN5266A** impres™ Charger with Two HNN9028AR Batteries



NTN1177D

## MULTIPLE UNIT CHARGER (MUC)

Multi-unit chargers offer six pockets that can be used to rapid charge 1 to 6 batteries simultaneously. The batteries can be charged with the radios or separately. They will rapid rate charge both NiCD and NiMH batteries.

**NTN1177D** Six-Pocket, rapid rate, 110V

**NTN1178D** Six-Pocket, rapid rate, 220V (supplied with 2-prong cord)

**NTN1179D** Six-Pocket, rapid rate, 240V (supplied with 3 flat prong cord)

**NTN4796E** Six-Pocket, rapid rate, 110V universal charger (also compatible with Saber and XTS3000/ XTS3500 and NTN8610, NTN8818 Li Ion batteries)

## MUC ACCESSORIES

**NLN7967A** Wall Mount

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# Chargers

## TRAVEL CHARGER AC TRANSFORMER

Travel Charger AC transformer connects to the cigarette lighter adapter cord to allow it to be plugged into an AC wall outlet for indoor use.

**2580600E05** Transformer 120V (US)

**2580600E06** Transformer 230V (Euro)

**2580600E07** Transformer 230V (U.K.)

**2580600E08** Transformer 230V (Argentina)

## TRAVEL CHARGER MOUNTING BRACKET

**0780384K84** Universal Mounting Bracket for travel charger; includes screws and nylon cord

## VEHICULAR TRAVEL CHARGER

A great traveling companion that ensures constant communication while on the road; allows the battery to rapid charge while using the radio. Users can receive communication immediately once the charger is connected, and transmit from a previously "dead" battery in just 5 minutes. This light and compact unit includes a voltage regulated lighter adapter, custom charger base, mounting bracket, and coil cord; ideal for public safety, utility and construction markets.

**RLN4884A** Vehicular Travel Charger



**RLN4884A**

## MOTOROLA CONDITIONING CHARGER (MCC)

The MCC utilize negative pulse charging technology that will help extend battery life and enhance battery operation. It will safely condition and charge your specified NiCD and NiMH batteries in approximately an hour. The MCC controls heat buildup due to its charging and termination algorithms and maintenance mode allows batteries to be safely left on the charger for extended periods of time. And now there is an Instant Fault Detection (IFD) feature which detects faulty radio batteries in seconds, which notifies the user that the battery will not operate at peak performance. Optional accessories are available allowing these chargers to be used in both AC and DC environments providing optimal charging flexibility.

**WPLN4090AR** MCC Kit, 110V AC; includes both base unit and 7V adapter

**WPLN4091BR** MCC Kit, 220V AC; includes both base unit and 7V adapter

**WPPN4002BR** 110V AC Base Charge Unit Only (order adapter plate separately)

**WPPN4006AR** 220V AC Base Charge Unit Only (order adapter plate separately)

**WPPN4065BR** Multi-Unit Conditioning Charger Four Station Base 110V (order adapter plate separately)

**WPPN4004AR** 7 Volt Adapter Only

**3080384G15** Cigarette Lighter Adapter Cord; MCC multi-unit conditioning charger

**RLN4814A** Vehicular Mounting Bracket and Hard Wire Cable for single unit Motorola Conditioning Charger

**3080384M21** DC Hard Wire Cable, for vehicular installation (included in RLN4814A)



**WPPN4002AR**

Shown With Optional Cigarette Lighter Adapter



# HT1000, JT1000, MTX8000 & 9000

Compatible with MT2000 and MTS2000



**WPLN4079BR**

## **BATTERY MAINTENANCE SYSTEM<sup>PLUS</sup> (BMS<sup>PLUS</sup>)**

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the BMS<sup>Plus</sup> is capable of charging and discharging, analyzing, conditioning and cycle test on NiCD, NiMH and Li Ion batteries; tracking battery voltage and capacity (mAh).

The BMS<sup>Plus</sup> offers a 3-year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries with printer port\* (Serial-RS-232C port—uses female 9-pin to male 25-pin cable).

**WPLN4079BR** Six-Station, 110V AC, 50/60 Hz

**WPLN4080BR** Six-Station, 230V AC, 50/60 Hz

**WPPN4085AR** BMS<sup>Plus</sup> field Upgrade Kit for WPLN4079AR, WPLN4080AR and WPLN4081AR; allows these units to support Li Ion battery chemistries

**NDN4005B** Three-Station, 110V AC 50/60 Hz (does not support Li Ion or 3-cell batteries)

**NDN4006B** Three-Station, 230V AC 50/60 Hz (does not support Li Ion or 3-cell batteries)

\*Compatible with the STAR Micronics SP200 series printers, available from any STAR Micronics distributor, and other printers with STAR emulation.



**TDN9435C**

## **BMS<sup>PLUS</sup> ADAPTER**

**TDN9435C** Adapter Compatible with NiCD batteries only

**CDN6364A** Adapter Compatible with both NiCD and NiMH batteries



**WPLN4071AR**

## **BATTERY OPTIMIZING SYSTEM (BOS)**

No other battery analyzer matches the speed, effectiveness, accuracy, versatility and ease-of-use of the Battery Optimizing System. Best of all, the Battery Optimizing System helps lower your battery costs because you will get the maximum performance possible from each battery when it is maintained by the Battery Optimizing System.

- Accommodates NiCD, NiMH, Li Ion and SLA
- Impedance-test checks battery condition in six seconds
- Proprietary recondition cycle restores NiCD and NiMH batteries
- Printer output for reports and labels, computer interface
- High power—programmable from 100mA to 2 amp per station
- Interchangeable adapters accommodate all major batteries
- Simple, intuitive user interface with keypad (adapter sold separately)

**WPLN4071AR** Four-Station, 110V AC, 50/60 Hz

**WPLN4073AR** Four-Station, 230V AC, 50/60 Hz

## **BOS ADAPTER**

**RL-72403** Standard Adapter

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# Chargers, Antennas & Service Manuals

## ANTENNAS

Injection molded for rugged environments. Each antenna is tested and tuned to give maximum power and performance.

### FLEXIBLE WHIP ANTENNAS

Antenna has a one-piece finish and steel core for optimal strength and better radiation characteristics. Provides more comfort when radio is worn on the belt.

**8505241U05** Flexible Whip, 403-520 MHz, 6"

**8505241U03** Flexible Whip, 806-869 MHz, 7"

**8505241U04** Flexible Whip, 896-941 MHz, 7"

### HELICAL ANTENNAS

Helical antennas are sturdy and dependable for years of failsafe communication. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements. Connector is made of plated brass material for long life.

**8505644V01** Helical, 136-151 MHz, 6"

**8505644V02** Helical, 151-162 MHz, 6"

**8505644V03** Helical, 162-174 MHz, 6"

**8505644V04** Helical, 403-435 MHz, 3"

**8505644V05** Helical, 435-470 MHz, 3"

**8505644V06** Helical, 470-520 MHz, 3"

### DIPOLE ANTENNAS

Dipole molded antennas are injection molded in lasting polyurethane. The wide skirt at the bottom of the connector protects against damaging environmental elements. The dipole antenna is ideal when strong and solid signal clarity is demanded.

**NAF4000B** Dipole, 806-869 MHz, 8"

**8505884R02** Dipole, 896-941 MHz, 8"

### WIDEBAND ANTENNA

Wideband antenna is ideal when radio is used in different frequencies since one antenna will cover all ranges.

**8505518V01** Wideband, 136-174 MHz, 6"

### STUBBY ANTENNA

This quarterwave stubby antenna is ideal when radio is worn on the belt because the short antenna is non-obtrusive. This is a broad band antenna that can be used for both 800MHz and 900MHz applications.

**8505241U06** Stubby, 806-941 MHz, 4"

**RAD4194A** Stubby, 150-162 MHz

## MISCELLANEOUS ACCESSORIES

### PUBLIC SAFETY TILT SWITCH

An external emergency switch that is activated when the unit is tilted at a greater than 60 degree angle. Delay times are factory programmed for 8 seconds and are not field programmable. The emergency feature must be programmed into the radio to enable the tilt switch option. Not compatible with the JT1000.

**NTN7660A\*** Public Safety Tilt Switch

**RLN4943A** Universal Holder with Gooseneck Bracket; provides flexible mounting solutions for portable radios

**RLN4945A** Universal Holder with Gooseneck Bracket and Wheelchair Quick Release Assembly

**RLN4944A** Wheelchair Quick Release Bracket

### OPTION BOARDS

**NTN8313A** Analog Voice Scrambler Advantage Board, for use with HT1000 only—NOT APPROVED for installation in FM approved models

### SERVICE MANUALS

**6881200C15** HT1000/JT1000/MT2000 & MTX8000/9000 Radio Theory

**6881200C40** HT1000/JT1000 & MT2000 Service Manual

**6881200C25** MTX8000/9000 Service Manual

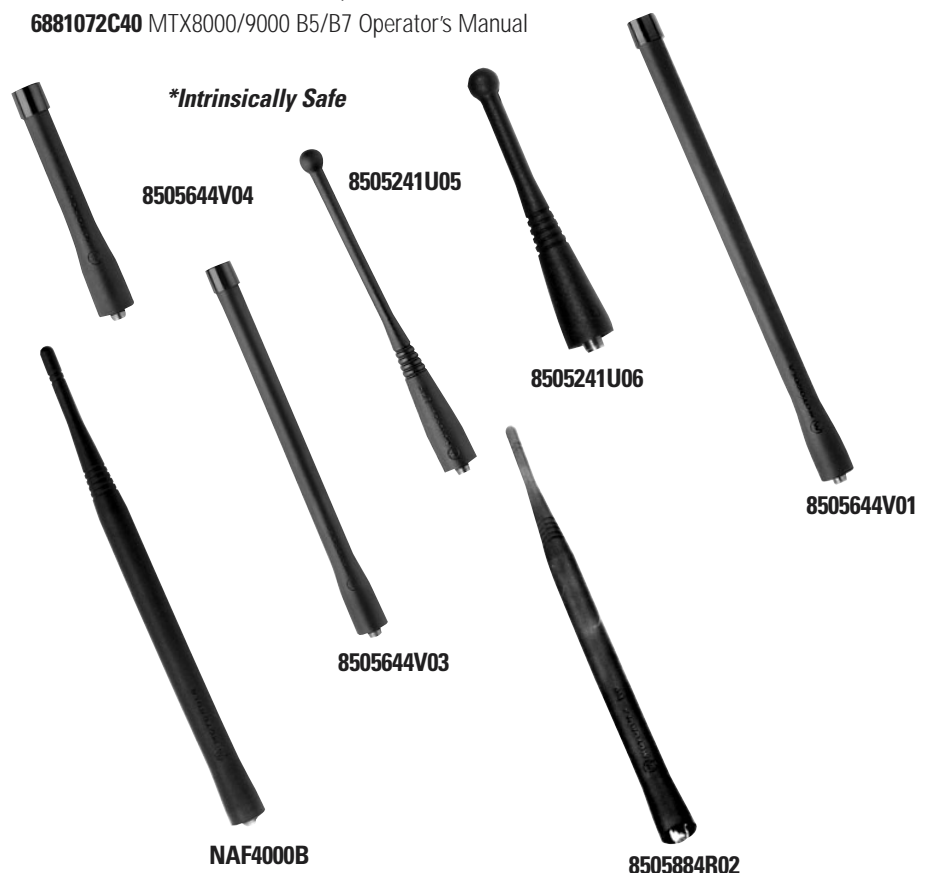
**6881079C50** HT1000 Operator's Manual

**6881078C45** JT1000 Operator's Manual

**6881076C65** MT2000 Operator's Manual

**6881072C10** MTX8000/9000 B3 Operator's Manual

**6881072C40** MTX8000/9000 B5/B7 Operator's Manual



# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories

### REMOTE SPEAKER MICROPHONES (RSM)

- NMN6193C\* Remote Speaker Microphone
- NMN6191C\* Noise Cancelling Remote Speaker Microphone
- 0104010J46 Replacement Coil Cord Assembly for Remote Speaker Microphones

The Remote Speaker Microphone is a water-resistant compact unit that allows the user to talk and listen without removing the radio from the belt, case or charger. It has a coiled cord, push-to-talk switch and clothing clip on the back cover.



NMN6193C

### RSM ACCESSORIES

#### EPAULET STRAP

- RLN4294A Epaulet Strap, Velcro
- RLN4295A Epaulet Strap, small clip

Black leather epaulet strap secures remote speaker microphone to epaulet straps on shirt or jacket and accommodates back clip in leather cut-outs. Snap closure secures remote speaker microphone cord to allow reliable communications in hostile environments.



RLN4295A



NMN6228C

### PUBLIC SAFETY SPEAKER MICROPHONES (PSM)

- NMN6228C\* Noise-Cancelling Public Safety Speaker/Microphone, 30" straight cord
- NMN6243B\* Noise-Cancelling Public Safety Speaker/Microphone, 18" straight cord
- NMN6244B\* Noise-Cancelling Public Safety Speaker/Microphone, 24" straight cord

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector, and receiver, audio high/low volume push button. Antenna must be ordered separately.

### MICJACKETS

- RLN5002A MicJacket Kit, compatible with NMN6191C and NMN6193C remote speaker microphones
- RLN5004A MicJacket Kit, compatible with NMN6228C, NMN6243B and NMN6244B public safety speaker microphones

The MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime. MicJackets also allow the user to handle or interact with the speaker microphone in a more hygienic way.

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories



BDN6719A

### RECEIVE ONLY EARPIECES

**BDN6781A** Pellet Style Earpiece

**BDN6719A** Flexible Ear Receiver; this flexible ear receiver contains a flexible earloop and speaker and rests external to the ear

**7580372E11** Replacement Foam Ear Cushions for BDN6719A

Plugged into the 3.5mm earjack on the RSM audio adapter, these audio accessories will mute the speaker on the RSM allowing the user to discreetly hear all incoming messages. Ideal for noisy environments. The following audio accessories can also be plugged directly into the radio with the BDN6676D audio adapter.

### RECEIVE ONLY HEADSETS

**RMN4056B** Receive-Only Dual-Muff Headband Style Headset; provides 24dB of noise reduction; for use with NMN6193C and NMN6191C (can be plugged directly into radio with BDN6676D adapter)

**RMN4057B** Receive-Only Hardhat Mount Headset mounts easily to hardhats with slots and provides 22dB of noise reduction; for use with NMN6193C and NMN6191C (can be plugged directly into radio with BDN6676D adapter)



RMN4056B



# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories

### SURVEILLANCE KITS

#### RECEIVE ONLY EARPIECE WITH STANDARD EARPHONE EARLOOP (1-WIRE)

BDN6664A\* Beige  
BDN6665A†\* Beige  
BDN6726A Black  
BDN6727A† Black



BDN6664A

#### RECEIVE ONLY EARPIECE WITH VOLUME CONTROL (1-WIRE)

BDN6666A\* Beige  
BDN6728A Black



BDN6667A

#### EARPIECE WITH MICROPHONE AND PUSH-TO-TALK COMBINED (2-WIRE)

BDN6667A\* Beige  
BDN6669A†\* Beige  
BDN6729A Black  
BDN6731A† Black

#### EARPIECE WITH MICROPHONE AND PUSH-TO-TALK SEPARATE (3-WIRE)

BDN6668A\* Beige  
BDN6670A†\* Beige  
BDN6730A Black  
BDN6732A† Black



BDN6668A

Surveillance accessories allow the user to privately receive communications with the earpiece and are ideal when environments require discreet communications. The following surveillance accessories require the PMLN4455A (3.5mm threaded adapter jack) that attaches to the radio, unless being used with speaker microphone.

### SURVEILLANCE KIT ACCESSORIES

BDN6676D\* 3.5mm Jack Adapter with Quick Disconnect Latch  
5080371E73 Standard Rubber Eartips, pack of 25, Beige  
5080371E75 Standard Rubber Eartips, pack of 25, Black



BDN6676D

\*Intrinsically Safe

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories

### SURVEILLANCE KITS WITH EXTENDED WEAR COMFORT EARPIECE

#### RECEIVE ONLY COMFORT EARPIECE

RLN5314A Beige

RLN5313A Black

#### RECEIVE ONLY COMFORT EARPIECE WITH MICROPHONE AND PUSH-TO-TALK COMBINED (2-WIRE)

RLN5311A Beige

RLN5312A Black



RLN5311A



RLN5312A

These kits include a comfort earpiece with a rubber eartip and a clear comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance. The above surveillance accessories require the BDN6676D (3.5mm threaded adapter jack) that attaches to the radio, unless being used with speaker microphone.



NTN8370A



NTN8371A

#### NOISE KITS

**NTN8370A** Extreme Noise Kit, includes 2 Foam Earplugs for loud environments; provides 24dB of noise reduction

**NTN8371A** Low Noise Kit, includes Rubber Eartip for low noise environments; does not provide hearing protection

**5080384F72** Replacement Foam Plugs; for use with NTN8370A (pack of 50)

**5080371E73** Replacement Standard Beige Rubber Eartips; for use with NTN8371A (pack of 25)

**5080371E75** Replacement Standard Black Rubber Eartips; for use with NTN8371A (pack of 25)

This lightweight translucent tube attaches to Motorola Surveillance Kits to provide additional flexibility and comfort. Clothing clip prevents the accessory from being pulled from the ear due to body movement or head rotation.

# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories

### CLEAR COMFORTABLE EARPIECES

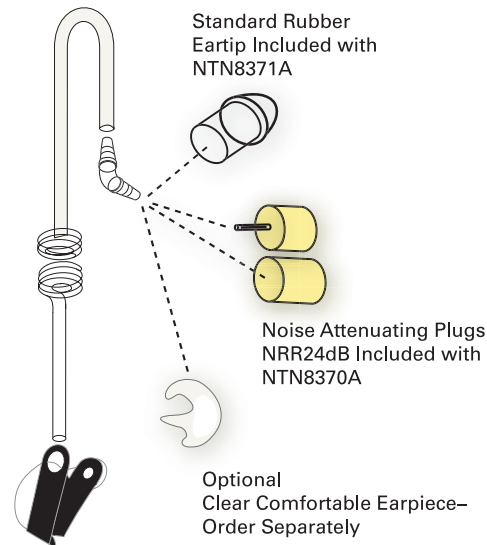
RLN4760A	Small Custom Earpiece, Right Ear
RLN4763A	Small Custom Earpiece, Left Ear
RLN4761A	Medium Custom Earpiece, Right Ear
RLN4764A	Medium Custom Earpiece, Left Ear
RLN4762A	Large Custom Earpiece, Right Ear
RLN4765A	Large Custom Earpiece, Left Ear

The Clear Comfortable Earpiece forms to the inside of the ear and is perfect for low noise environments. Compatible with the NTN8371A, clear acoustic tube assembly, and surveillance kits (1, 2, 3 wire). The earpiece is made of easy-to-clean chemically inert, hypo-allergenic material. The following 3 items are required for this product:

- Clear Comfortable Earpiece
- Clear Acoustic Tube Assembly (NTN8371A)
- Surveillance Kit



RLN4763A



Acoustic Tube  
with Earphone



### COMPLETELY DISCREET EARPIECE

RLN4922A	Completely Discreet Earpiece Kit; includes Wireless Earpiece, Inductive Neckloop, 6 Spare Batteries and 5 Spare Ear Wax Guards
RLN4919A	Ear Wax Guards, 5 per pack
RNN4005A	1.4V Battery, 6 per pack

Remain discreetly in touch with this miniaturized receiver. All messages received through the user's two-way radio are inductively relayed to the Wireless Earpiece in the user's ear. Inductive Neckloop is easily hidden under the user's clothing for covert operations. Neckloop attaches to the user's Motorola Surveillance Kit, providing completely discreet two-way communications. Security operatives, public safety officials, and private investigators can communicate with ease without any visible equipment. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Must be used in conjunction with a Motorola Surveillance Kit. Just remove the earpiece on any standard 2- or 3-wire Surveillance Kit and plug in the Neckloop for completely discreet communication.



RLN4922A

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories



BDN6780A

### PELLET STYLE EARPIECES

- BDN6780A** Single Earbud with Microphone and Push-To-Talk, requires adapter BDN6676D
- BDN6781A** Receive only Earbud, requires adapter BDN6676D
- 7580372E70** Replacement Foam Ear Cushions for Pellet Earpieces
- BDN6676D** 3.5mm Jack Adapter with Quick Disconnect Latch

The pellet style earpiece allows the user to receive communication discreetly and is comfortable for extended wear.

### EAR MICROPHONE SYSTEM (EMS)

- BDN6677A\*** Ear Microphone for Standard Noise Levels (up to 95dB, Black)
- BDN6678A\*** Ear Microphone for Standard Noise Levels (up to 95dB, Beige)
- BDN6641A\*** Ear Microphone for High Noise Levels (up to 105dB)

### INTERFACE MODULES FOR EMS

- BDN6708B\*** Push-To-Talk Interface Module
- BDN6671B\*** Push-To-Talk or Voice-Activated Interface Module

This compact unit picks up the voice through bone vibrations in the ear canal. The miniature earpiece leaves the hands free and face unobscured when worn by rescue and hazard protection personnel, who still retain the ability for direct hearing and speaking. For personnel required to wear breathing apparatus, communications with protective masks are as clear as communications without. And its high speech clarity under noisy environments makes it ideal for high noise environments. Available in PTT or Voice Activated (VOX). Interface Module required.



BDN6641A shown with  
BDN6671B interface module

*\*Intrinsically safe*



# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories

### OPTIONAL ACCESSORIES FOR EAR MICROPHONE SYSTEM

- 0180358B38\* Push-To-Talk Ring Switch
- 0180300E83\* Push-To-Talk Body Switch
- 0180300E25 Earguard with Adjustable Loop; secures ear mic in ear
- 0180358B32 Earholder, Black, size Small; secures ear mic in ear
- 0180358B33 Earholder, Black, size Medium; secures ear mic in ear
- 0180358B34 Earholder, Black, size Large; secures ear mic in ear
- 0180358B35 Earholder, Clear, size Small; secures ear mic in ear
- 0180358B36 Earholder, Clear, size Medium; secures ear mic in ear
- 0180358B37 Earholder, Clear, size Large; secures ear mic in ear
- 4202006A01 Replacement Back Cover Clip
- 4280369E44 Replaceable Belt Clip with Screws
- 4285838B01 Replacement Collar Clip
- 5080358B28 Eartips, Black, size Medium (pack of 10)
- 5080358B29 Eartips, Black, size Large (pack of 10)
- 5080358B30 Eartips, Beige, size Medium (pack of 10)
- 5080358B31 Eartips, Beige, size Large (pack of 10)



0180300E25



0180300E83



0180358B38

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories

### CommPort: INTEGRATED MICROPHONE/RECEIVER SYSTEM

- NTN1625A\*** Integrated Ear Microphone/ Receiver System with PTT on Radio Adapter (includes BDN6676D radio adapter)
- NTN1624A\*** Integrated Ear Microphone/ Receiver System with Palm PTT (includes BDN6676D radio adapter)
- NTN1663A\*** Integrated Ear Microphone/ Receiver System with ring PTT (includes BDN6676D radio adapter)
- NTN1736A\*** Integrated Ear Microphone/ Receiver System with Snap-on-Side PTT (includes BDN6676D radio adapter)
- NNTN4186A\*** Integrated Ear Microphone/ Receiver System w/Body Push-To-Talk (includes BDN6676D radio adapter)

### CommPort: REPLACEMENT PARTS

- NKN6508A** Replacement Cable for NTN1625A
- NKN6510A** Replacement Palm PTT Cable for NTN1624A
- NKN6512A** Replacement Ring PTT Cable for NTN1663A
- NKN6525A** Replacement Snap-on PTT Cable for NTN1736A
- NNTN4188A** Replacement Body Push to Talk Case for NNTN4186
- NTN8821A** CommPort Maintenance Kit; includes replacement ear tubes (pack of 10), windscreens (pack of 2) and microphone seal strips (pack of 10)
- NTN8986A** Adhesive Pads (pack of 90) for secure attachment to ear
- NTN8988A** Ear Straps (pack of 10), for secure attachment to ear
- RLN5037A** Replacement Ear Tubes (pack of 10)
- 4285838B01** Replacement Collar Clip
- 4202006A01** Replacement Back Cover Clip
- BDN6676D** 3.5mm Jack Adapter with Quick Disconnect Latch

With the CommPort Integrated/Microphone System, users can speak in a whisper and hear in a crowd. CommPort contains a miniature microphone and receiver that connects to a Motorola Two-way radio and fastens securely to the ear. Using the latest in voice processing technology, the CommPort system makes it possible to hear and speak under the most adverse conditions, by picking up sound waves as they cross the face, enhancing voice clarity under high noise conditions. The miniature mic that sits on the top of the earpiece picks them up, cutting through noise, delivering audio without blocking normal hearing. Its variety of push-to-talk options make it ideal for different applications, which include transmitting to firefighters in a burning building, S.W.A.T. or police in covert situations, or workers operating in a noisy environment.

*\*Intrinsically safe*



# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories



NMN6245A

### LIGHTWEIGHT HEADSETS

- NMN6245A\* Single-Muff Lightweight Adjustable Headset with Boom Microphone In-line Push-To-Talk Switch (requires BDN6676D adapter)
- NMN6246B\* Ultra-light Headset with Boom Microphone and In-line Push-To-Talk Switch; ear bud style receiver (requires BDN6676D adapter)
- NMN1020A\* Lightweight Headset with Boom Microphone to be worn on a helmet or safety glasses; includes NKN6498A adapter cable; requires BDN6676D adapter
- NKN6498A\* Headset Adapter Cable for use with NMN1020A
- 5080574E02 Foam Earpads for use with NMN6245A (pack of 10)
- BDN6676D 3.5mm Jack Adapter with Quick Disconnect Latch

Lightweight headsets allow for high clarity, hands-free, discreet two-way communication, while adding comfort necessary for extended wear in moderate noise environments. Requires BDN6676D Audio Adapter.

### TEMPLE TRANSDUCER

- RMN4049A\* Temple Transducer
- 0180305J46 Temple Transducer and Ear Microphone System Training CD

The temple transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. The receiver portion of the accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an in-line PTT and noise canceling boom microphone. The temple transducer enhances communications and safety by not impairing the user's hearing of external sound environment, such as from machinery and equipment, warning and fire alarms, the intercom, traffic, and even casual conversations with their co-workers.

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories

### MEDIUM WEIGHT HEADSETS

**NMN6258A\*** Medium Weight Headset, over the head with In-Line PTT, noise reduction rating = 24dB

**NMN6259A\*** Medium Weight Headset, behind the head with In-Line PTT, noise reduction rating = 24dB

**RMN4051B** Hardhat Mount Headset mounts easily to hardhats with slots and provides 22dB of noise reduction; requires RKN4095A adapter cable, hardhat not included

Medium Weight Headsets feature noise canceling Boom Microphones and offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations.

*\*Intrinsically safe*



NMN6258A



RMN4052A

### TACTICAL MEDIUM WEIGHT HEADSETS

**RMN4052A** Tactical Headband Style Headset, Grey; provides 24dB of noise reduction and requires RKN4095A adapter cable

**RMN4053A** Tactical Hardhat Mount Headset mounts easily to hardhats with slots; provides 22dB of noise reduction and requires RKN4095A adapter cable, hardhat not included

**RKN4095A** Radio Adapter Cable with In-Line PTT for use with RMN4051B, RMN4052A and RMN4053A

Same high-clarity sound and additional hearing protection as our standard medium weight headsets while including two microphones on the outside of each earcup which reproduces the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times but never more than 82dB. Includes on/off volume control on ear cups.



# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Audio Accessories



RMN5015A

### RACING HEADSET

**RMN5015A** Racing Headset For Two-way Radios  
(adapter cable BDN6673B required)

**BDN6673B** Adapter Cable

Motorola is the Official Wireless Equipment supplier of CART® (Championship Auto Racing Teams), so whether your customers' playing field is a racetrack, construction site or other challenging environment, they can count on this Racing Headset for superior comfort and dependable operation.

### HEAVY DUTY HEADSETS

**BDN6645A\*** Push-To-Talk Headset with Boom Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

**BDN6635B\*** Voice-activated Headset with Boom Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

**BDN6636B\*** Voice-activated Headset with Throat Microphone; requires adapter cable BDN6673B; noise reduction rating=24dB

**BDN6673B\*** Radio Adapter Cable

Heavy duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. The Push-To-Talk switch is located on the earcup. The VOX module is contained within the headset on voice activated units. Heavy duty headsets require radio adapter cable BDN6673B, to be ordered separately.

*\*Intrinsically safe*



BDN6636B



BDN6645A



BDN6635B

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Carrying Accessories

### CARRYING CASES

#### STANDARD BELT LOOP CARRYING CASES

- NTN7238A** Leather Carry Case with Belt Loop, "D" rings and T-Strap for use with high capacity battery
- NTN7239A** Leather Carry Case with Belt Loop, "D" rings and T-Strap for use with ultra-high capacity battery
- NDN4018B** DTMF Leather Carry Case with Belt Loop and antenna strap for use with high and ultra-high capacity batteries
- NTN7247A** Nylon Carry Case with Belt Loop and Strap for use with high and ultra-high capacity batteries

#### HIGH ACTIVITY SWIVEL CARRYING CASES

- NTN8035B** Leather Carry Case with 2.5" High Activity Swivel Belt Loop, "D" rings and T-Strap for use with high capacity battery
- NTN8037B** Leather Carry Case with 3.0" High Activity Swivel Belt Loop, "D" rings and T-Strap for use with high capacity battery
- NTN8036B** Leather Carry Case with 2.5" High Activity Swivel Belt Loop, "D" rings and T-Strap for use with ultra-high capacity battery
- NTN8038B** Leather Carry Case with 3.0" High Activity Swivel Belt Loop, "D" rings and T-Strap for use with ultra-high capacity battery
- NDN4017B** Leather DTMF Carry Case with 3.0" High Activity Swivel Belt Loop and Antenna Strap for use with high and ultra-high capacity battery

Motorola designed and engineered carrying cases are available in a variety of sizes to fit your radio and battery while permitting audio to be clearly heard. Constructed of top grain 8 oz. natural leather and all stainless steel hardware, Motorola carrying cases were developed to meet the demands of public safety, construction and other users who operate in the most rigorous environments.

Swivel carrying cases have a high activity swivel "D" button and belt loop. To remove case from belt loop, rotate case 180 degrees and slide case upward, out of the holder. Case stays on belt more securely in high activity applications versus standard swivel cases while allowing the radio-to-swing freely with body movements.



NTN7247A



NTN8038B



NTN8036B



RLN4943A

#### UNIVERSAL HOLDER WITH GOOSENECK BRACKET

- RLN4943A** Universal Holder with Gooseneck Bracket; provides flexible mounting solutions for portable radios
- RLN4945A** Universal Holder with Gooseneck Bracket and wheelchair quick-release assembly
- RLN4944A** Wheelchair quick-release bracket

# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Carrying Accessories

### CARRYING CASE ACCESSORIES

#### T-STRAP

NTN7782A T-Strap for Leather Carrying Cases  
NTN7376A T-Strap for Nylon carrying cases

#### BELT LOOPS

NTN8039B 2.5" High Activity Swivel Belt Loop  
NTN8040B 3.0" High Activity Swivel Belt Loop

#### HIGH ACTIVITY BUTTONS

NTN1534A High Activity "D" Button w/2.5" Belt Loop (NTN8039B)  
NTN1535A High Activity "D" Button w/3" Belt Loop (NTN8040B)  
NTN8063A High Activity "D" Button

#### BELT CLIPS

4205638V09 2.5" Contoured Spring Action Belt Clip  
4205638V07 3.0" Contoured Spring Action Belt Clip



4205638V07



TDN9684A

TDN9687A

#### BELT

4200865599 1.75" Wide Adjustable Black Belt



4200865599

#### CARRYING STRAP

NTN5243A Shoulder Carry Strap, allows easy carrying of radio in a case when not wearing a belt



NTN5243A

#### SWIVELLER

TDN9684A Swiveller, includes clip button, holster and belt

#### SWIVELLER REPLACEMENT

##### ACCESSORIES

TDN9690A Clip button, mounts on battery  
TDN9688A Holster, compatible with all buttons  
TDN9687A 2" nylon belt

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Carrying Accessories

### PORTABLE RADIO HANGER

TDN9327A Portable Radio Hanger for door panels up to 2.75"

TDN9373A Portable Radio Hanger for door panels up to 3.25"

The portable radio hanger slides over and hangs from the door panel in a vehicle. The radio's belt clip slides onto the portable hanger allowing convenient, easy mounting. Two sizes are available to fit door panels.



TDN9327A TDN9373A



HLN6602A

### CHEST PACK

HLN6602A Universal Chest Pack with Radio Holder, Pen Holder, and Velcro Secured Pouch

1505596Z02 Replacement Strap for HLN6602A

Carry the radio mounted on chest with adjustable straps over shoulders and around waist.

### BREAK-A-WAY CHEST PACK

RLN4570A Break-A-Way Chest Pack

All of the same features as the original chest pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Perfect for railroads, manufacturing locations, construction sites and anywhere safety is a concern.



RLN4570A



# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Carrying Accessories & Batteries



RLN4815A

### RadioPAK™

RLN4815A RadioPak™ Radio/Utility Case

4280384F89 Universal RadioPak™ Belt Lengthener; fits waists larger than 40"

It's different from all other holders or cases: more comfortable, more useful and more stylish. Worn around the waist, it holds two-way, iDEN portables or cellular phones at hand. Includes a separate 6"×8" zippered pouch for other on-the-job necessities. Adjustable nylon weave belt; fits both men and women.

### WATERPROOF BAG

HLN9985B Waterproof Bag, includes large carrying strap



HLN9985B

### BATTERIES

#### PREMIUM NICKEL CADMIUM (NiCd)

NTN7143CR 1200 mAh, 7.5V

NTN7150AR 1200 mAh, 7.5V, Intrinsically Safe (MSHA)

NTN7372AR 1200 mAh, 7.5V, Intrinsically Safe

NTN7147AR 1300 mAh, 7.5V, Intrinsically Safe

NTN7149BR 1300 mAh, 7.5V, Intrinsically Safe (CSA)

NTN7341AR 1400 mAh, 7.5V, Intrinsically Safe

NTN7144CR 1500 mAh, 7.5V

#### impres™ NICKEL CADMIUM (NiCd)

HNN9028AR (impres™) 1500 mAh, 7.5V

HNN9029AR (impres™) 1500 mAh, 7.5V, Intrinsically Safe

#### PREMIUM NICKEL METAL HYDRIDE (NiMH)

WPNN4013A 2000 mAh, 7.5V

WPNN4037A 1900 mAh, 7.5V, Intrinsically Safe



NTN7143CR



NTN7372AR



NTN7144CR



WPNN4013AR



HNN9029AR

Motorola Original Batteries are ruggedly designed for lasting durability and system tested with Motorola two-way radios to ensure optimum performance. We offer various chemistry and capacity alternatives, allowing the user to select the ideal battery for his or her needs. NiCd is best suited for extreme-temperature operation, and provides the maximum number of charge/discharge cycles. Li-ion batteries offer extended duty cycles – providing more talk time per shift.

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Chargers

### CHARGERS

#### **SINGLE UNIT COMPACT RAPID RATE CHARGERS**

- RPX4747A Compact Rapid Rate Charger, 110V  
RPX4748A Compact Rapid Rate Charger, 230V Euro plug  
RPX4749A Compact Rapid Rate Charger, 230V UK plug

These chargers have the power supply built into the line cord giving the user a smaller base unit for easier storage. It also utilizes an enhanced charging algorithm that will help maximize the life of your batteries. It will rapid rate charge both NiCd and NiMH batteries.

#### **MULTIPLE UNIT CHARGER (MUC)**

- NTN1177D Six-Pocket, rapid rate, 110V  
NTN1178D Six-Pocket, rapid rate, 220V (supplied with 2-prong cord)  
NTN1179D Six-Pocket, rapid rate, 240V (supplied with 3 flat prong cord)

Multi-unit chargers offer six pockets that can be used to rapid charge 1 to 6 batteries simultaneously. The batteries can be charged with the radios or separately. They will rapid rate charge both NiCd and NiMH batteries.



NTN1177D

#### **MUC ACCESSORIES**

- NLN7967A Wall Mount Kit for Multi Unit Charger

#### **impres™ SMART ENERGY SYSTEM**

- WPLN4111AR impres™ Smart Energy System Single Unit Charger  
WPLN4108BR impres™ Smart Energy System Multi Unit Charger (six bank)  
WPLN4130AR impres™ Smart Energy System Multi Unit Charger with Displays



WPLN4111AR



WPLN4130A

The impres smart energy system ensures maximum talk-time and optimized battery cycle life through the use of its advanced charging algorithm and automatic reconditioning features. The smart energy system reconditions impres batteries when they need it, automatically, keeping them in peak condition. It's advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring the damaging heat build-up which can rob batteries of cycle life. In addition, batteries left on the charger are kept fully charged so they are always ready when you need them. Talk time and cycle life are optimized and the need for manual maintenance programs reduced or eliminated. This rapid-rate tri-chemistry charging system will also charge existing legacy batteries and supports multiple radio platforms including Saber, XTS, and HT1000 series portables. impres™ Multi Unit Chargers with display modules provide valuable information about impres™ batteries. Due to its patented communication protocol, an impres™ battery's current mAh and % capacity are displayed "real time" by simply inserting a battery into a pocket. In addition, battery serial number, kit number, chemistry, charging status, voltage, and other valuable information are displayed. And, by pressing a toggle button, the display can be inverted for wall mounting.

# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Chargers

### *impres™ BUNDLE PACKS*

- RLN5265A*    *impres™* single unit charger with 2 HNN9029AR Batteries
- RLN5266A*    *impres™* single unit charger with 2 HNN9028AR Batteries
- RLN5439B*    *impres™* multi unit charger with 6 HNN9029AR Batteries
- RLN5440B*    *impres™* single unit charger with 6 HNN9028AR Batteries

Provide significant savings on the *impres* products by bundling a charger and batteries together as a smart energy system package.

### *impres™ INDIVIDUAL CHARGER DISPLAY MODULE*

- RLN5382A*    Charger Display Module for *impres™* Multi-Unit Charger Version 1.3 or Later

These modules are designed to be retrofittable with the standard *impres* Multi-Unit Charger WPLN4108BR. Up to six modules can be purchased per charger, one for each charging pocket. Includes detailed installation instructions. Note: The version number is referenced on the label located on the bottom of the *impres* Multi-Unit charger. If no version is shown, it is version 1.2 or earlier. For example, version 1.3 will appear as V1.30.

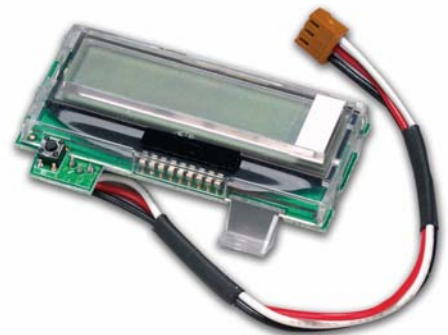
- RLN5591A*    Charger Display Module for *impres* Multi-Unit Charger Version 1.2 or earlier

Compatible with Multi-Unit Charger version 1.2 or earlier. These modules require a software flash update from the Radio Support Center. Display modules added at the Radio Support Center. Details included with each shipment. Note: The version number is referenced on the label located on the bottom of the *impres™* Multi-Unit charger. If no version is shown, it is version 1.2 or earlier. For example, version 1.2 will appear as V1.20.

### *impres™ CD*

- 0180305J70*    *impres* CD

This CD provides an interactive guide to the *impres™* Charging System, and provides benefit statements as well as application examples.



RLN5382A

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Chargers



WPPN4002BR  
Shown With  
Optional Cigarette  
Lighter Adapter

### **MOTOROLA CONDITIONING CHARGER (MCC)**

**WPLN4090BR** MCC Kit, 110V AC; includes both base charger unit and 7V adapter plate

**WPLN4091BR** MCC Kit, 220V AC; includes both base charger unit and 7V adapter plate

**WPPN4002BR** 110V AC Base Charge Unit Only (order adapter plate separately)

**WPPN4006AR** 220V AC Base Charge Unit Only (order adapter plate separately)

**WPPN4065BR** Multi-Unit Conditioning Charger Four Station Base 110V (order adapter plate separately)

**WPPN4004BR** 7 Volt Adapter Plate Only

**3080384G15** 15 Cigarette Lighter Adapter Cord; MCC multi-unit conditioning charger

**RLN4814A** Vehicular Mounting Bracket and Hard Wire Cable for single unit Motorola Conditioning Charger

**3080384M21** DC Hard Wire Cable, for vehicular installation (included in RLN4814A)

The MCC utilize negative pulse charging technology that will help extend battery life and enhance battery operation. It will safely condition and charge your specified NiCd and NiMH batteries in approximately one to two hours. The MCC controls heat buildup due to its charging and termination algorithms and the maintenance mode allows batteries to be safely left on the charger for extended periods of time. And now there is an Instant Fault Detection (IFD) feature which detects faulty radio batteries in seconds, which notifies the user that the battery will not operate at peak performance. Optional accessories are available allowing these chargers to be used in both AC and DC environments providing optimal charging flexibility.



# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Chargers

### BATTERY MAINTENANCE SYSTEM<sup>PLUS</sup> (BMS<sup>PLUS</sup>)

WPLN4079BR Six-Station, 110V AC, 50/60 Hz

WPLN4080BR Six-Station, 230V AC, 50/60 Hz

WPPN4085AR BMSPlus field Upgrade Kit for WPLN4079AR, WPLN4080AR and WPLN4081AR; allows these units to support Li-ion battery chemistries

NDN4005B Three-Station, 110V AC 50/60 Hz  
(does not support Li-ion or 3-cell batteries)

NDN4006B Three-Station, 230V AC 50/60 Hz  
(does not support Li-ion or 3-cell batteries)

Using interchangeable battery adapters (sold separately), the BMS<sup>Plus</sup> is capable of charging and discharging, analyzing, conditioning and cycle testing batteries. It supports NiCd, NiMH and Li-ion battery chemistries (Li-ion on 6 station model only) and tracks battery voltage and capacity (mAh). The BMS Plus offers a 3-year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries. Includes serial printer\* port (RS-232).

The BMS<sup>Plus</sup> offers a 3-year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries with printer port\* (Serial-RS-232C port—uses female 9-pin to male 25-pin cable).

*\*Compatible with the STAR Micronics SP200 series printers (and other printers with STAR emulation) available from any STAR Micronics distributor.*



WPLN4079BR



TDN9435C

### BMS<sup>PLUS</sup> ADAPTER

TDN9435C Adapter Compatible with NiCd batteries only

CDN6364A Adapter Compatible with both NiCd and NiMH batteries

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Chargers

### BATTERY OPTIMIZING SYSTEM II (BOS II)

WPLN4124AR BOS II, Four-Station, 110-240VAC (US line cord)

WPLN4125AR BOS II, Four-Station, 110-240VAC (UK/Euro line cords)

No other battery analyzer matches the speed, accuracy, versatility of the Battery Optimizing System II. Ideal for large fleet, public safety, and all other users who rely on their battery performance. Now with increased power, more sophisticated programming options, and easier to use navigation paths, optimizing your batteries was never easier. Key features include:

- Support for NiCd, NiMH, Li-ion and SLA batteries
- 100 watt power supply programmable from 100 mA to 4 Amps per station
- Interchangeable adapters accommodate all major batteries
- Includes a variety of user programs and allows for customizable programming
- Proprietary recondition cycle restores NiCd, & NiMH batteries
- Increased processing power and testing resolution-including a three minute Quicktest that measures the batteries State of Health (SoH)
- Printer output for reports and labels
- Three year warranty



WPLN4124AR

### BOS ADAPTER

RL-72403 Standard Adapter

# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Chargers



TDN9816A

### VEHICULAR CHARGER

TDN9816A Vehicular Charger

This 12V DC charger is ideal for mobile customers; it charges portable radio NiCd batteries in rapid charge mode (in less than 3 hours) until full charge is obtained and then switches to trickle charge mode. A microprocessor controls the charge rate. This durable unit comes with a metal mounting bracket and is PAC\_RT compatible

### VEHICULAR TRAVEL CHARGER

RLN4884B Vehicular Travel Charger

A great traveling companion that ensures constant communication while on the road; allows the battery to rapid charge while using the radio. Users can receive communication immediately once the charger is connected, and transmit from a previously "dead" battery in just 5 minutes. This light and compact unit includes a voltage regulated lighter adapter, custom charger base, mounting bracket, and coil cord; ideal for public safety, utility and construction markets.



RLN4884B

### TRAVEL CHARGER AC TRANSFORMER

2580600E05 Transformer 120V (US)

2580600E06 Transformer 230V (Euro)

2580600E07 Transformer 230V (U.K.)

2580600E08 Transformer 230V (Argentina)

Travel Charger AC transformer connects to the cigarette lighter adapter cord to allow it to be plugged into an AC wall outlet for indoor use.

### TRAVEL CHARGER MOUNTING BRACKET

0780384K84 Universal Mounting Bracket for travel charger; includes screws and nylon cord

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# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Antennas

### ANTENNAS

Injection molded for rugged environments. Each antenna is tested and tuned to give maximum power and performance.

#### FLEXIBLE WHIP ANTENNAS

8505241U05 Flexible Whip, 403-520 MHz, 6"

8505241U03 Flexible Whip, 806-869 MHz, 7"

8505241U04 Flexible Whip, 896-941 MHz, 7"

Antenna has a one-piece finish and steel core for optimal strength and better radiation characteristics.

#### HELICAL ANTENNAS

8505644V01 Helical, 136-151 MHz, 6"

8505644V02 Helical, 151-162 MHz, 6"

8505644V03 Helical, 162-174 MHz, 6"

8505644V04 Helical, 403-435 MHz, 3"

8505644V05 Helical, 435-470 MHz, 3"

8505644V06 Helical, 470-520 MHz, 3"

Helical antennas are sturdy and dependable for years of failsafe communication. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements. Connector is made of plated brass material for long life.

#### DIPOLE ANTENNAS

NAF4000B Dipole, 806-869 MHz, 8"

8505884R02 Dipole, 896-941 MHz, 8"

Dipole molded antennas are injection molded in lasting polyurethane. The wide skirt at the bottom of the connector protects against damaging environmental elements. The dipole antenna is ideal when strong and solid signal clarity is demanded.

#### WIDEBAND ANTENNA

8505518V01 Wideband, 136-174 MHz, 6"

Wideband antenna is ideal when radio is used in different frequencies since one antenna will cover all ranges.





# HT 1000, JT 1000, MTX 8000 & MTX 9000

Compatible with MT2000 AND MTS2000

## Antennas

### **STUBBY ANTENNA**

8505241U06 Stubby, 806-941 MHz, 4"

RAD4194A Stubby, 150-162 MHz

This quarterwave stubby antenna is ideal when radio is worn on the belt because the short antenna is non-obtrusive. This is a broad band antenna that can be used for both 800MHz and 900MHz applications.



8505241U06

### **MISCELLANEOUS ACCESSORIES**

#### **PUBLIC SAFETY TILT SWITCH**

NTN7660B\* Public Safety Tilt Switch

An external emergency switch that is activated when the unit is tilted at a greater than 60 degree angle. Delay times are factory programmed for 8 seconds and are not field programmable. The emergency feature must be programmed into the radio to enable the tilt switch option. Not compatible with the JT1000.

#### **OPTION BOARDS**

NTN8313A Analog Voice Scrambler Advantage Board, for use with HT1000 only—NOT APPROVED for installation in FM approved models

*\*Intrinsically safe*

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## ***Temple Transducer***

### ***INNOVATIVE HEADSET DESIGN LETS USERS RECEIVE AUDIO WITHOUT COVERING THE EAR***

#### ***Users can keep fully aware of the surrounding environment.***

Conventional headsets can often mask external sounds that are crucial for bicycle or mounted police, security personnel and public safety professionals to hear. Approaching traffic. Alarms and warning indicators. Conversations within a noisy room. But with this Temple Transducer headset, users can hear both radio audio and important external sounds.

This lightweight, behind-the-head style headset features two temple - receivers that convert Two-way radio audio into sound vibration, and transmit into the inner ear. It's designed for all-day comfort, because the steel frame can be formed for an exact fit. Includes a noise-cancelling boom microphone with replaceable windscreen, plus an in-line Push-to-Talk (PTT) with clothing clip.

#### ***RMN4049A — Temple Transducer Headset***

Compatible with HT1000, JT1000, MTX8000, MTX9000, MTS2000, MT2000, XTS3000, XTS3500, XTS2500 and XTS5000 Two-way radios. Intrinsically Safe (FM).

Published List: \$225.00

#### ***RMN4048A — Temple Transducer Headset***

Compatible with HT750, HT1250, HT1250-LS, MTX850, MTX850-LS, MTX8250 and MTXS8250-LS Two-way radios.

Published List: \$175.00

***RMN4049A***



*Whether it's a pit crew or a road crew, Motorola Accessories help keep customers in control.*

## **RACING HEADSET FOR TWO-WAY RADIOS**

***The headset that excels in high-noise environments.***

This Racing Headset is ideal for racing teams like CART®; that's why it's used in the pits. It's also tough enough to withstand the wear and tear of use at demanding manufacturing and construction sites.

### **RMN5015A**

#### **Racing Headset for Two-way Radios**

Adapter Cable required. Compatible with Two-way Radio models SP50, SP50+, GP300, P1225, P1225-LS, CT250, CT450, CT450-LS, HT1000, JT1000, MTS2000, MTX8000, MTX9000, MT2000, XTS3000, XTS3500, HT750, HT1250, HT1250-LS, MTX850, MTX850-LS, MTX8250 and MTX8250-LS.

Published List: \$500.00

### **RKN4090A**

#### **Adapter Cable**

Adapter Cable for SP50, SP50+, GP300, P1225, P1225-LS, CT250, CT450 and CT450-LS Two-way radios.

Published List: \$100.00

### **RKN4091A**

#### **Adapter Cable**

Adapter Cable for HT750, HT1250, HT1250-LS, MTX850, MTX850-LS, MTX8250 and MTX8250-LS Two-way radios.

Published List: \$140.00

### **BDN6673B**

#### **Adapter Cable**

Adapter Cable for HT1000, JT1000, MTX8000, MTX9000, MT2000, MTS2000, XTS3000 and XTS3500 Two-way radios.

Published List: \$230.00

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